

Fig. 1

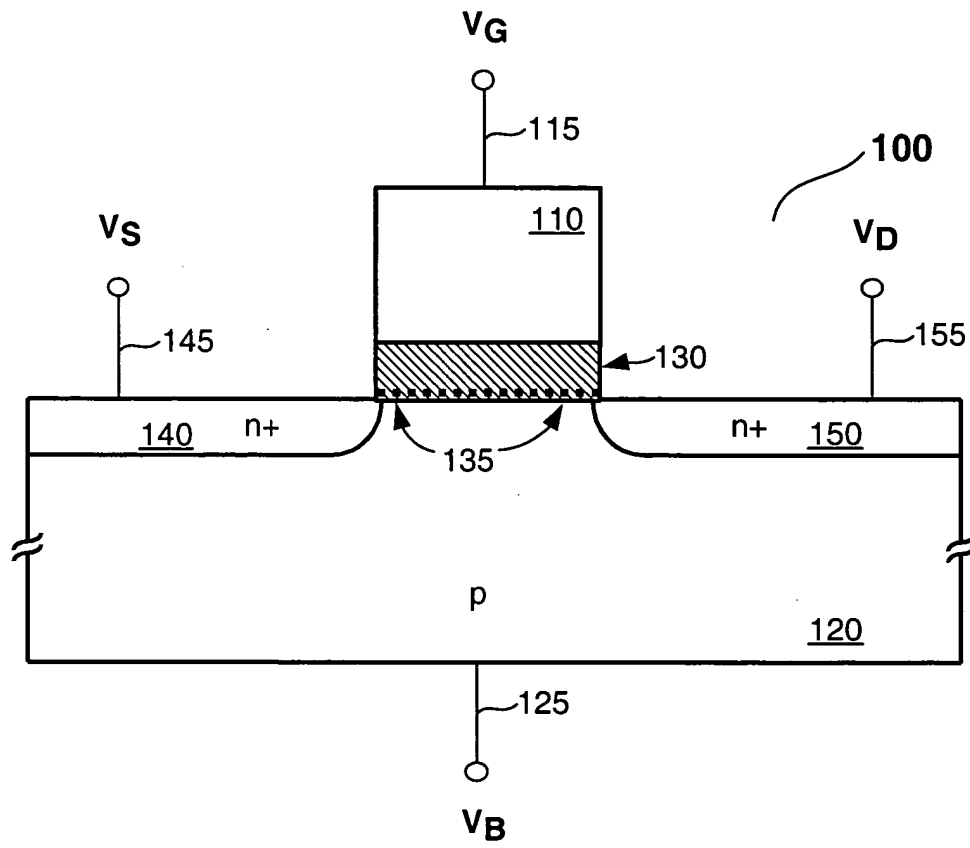


Fig. 2

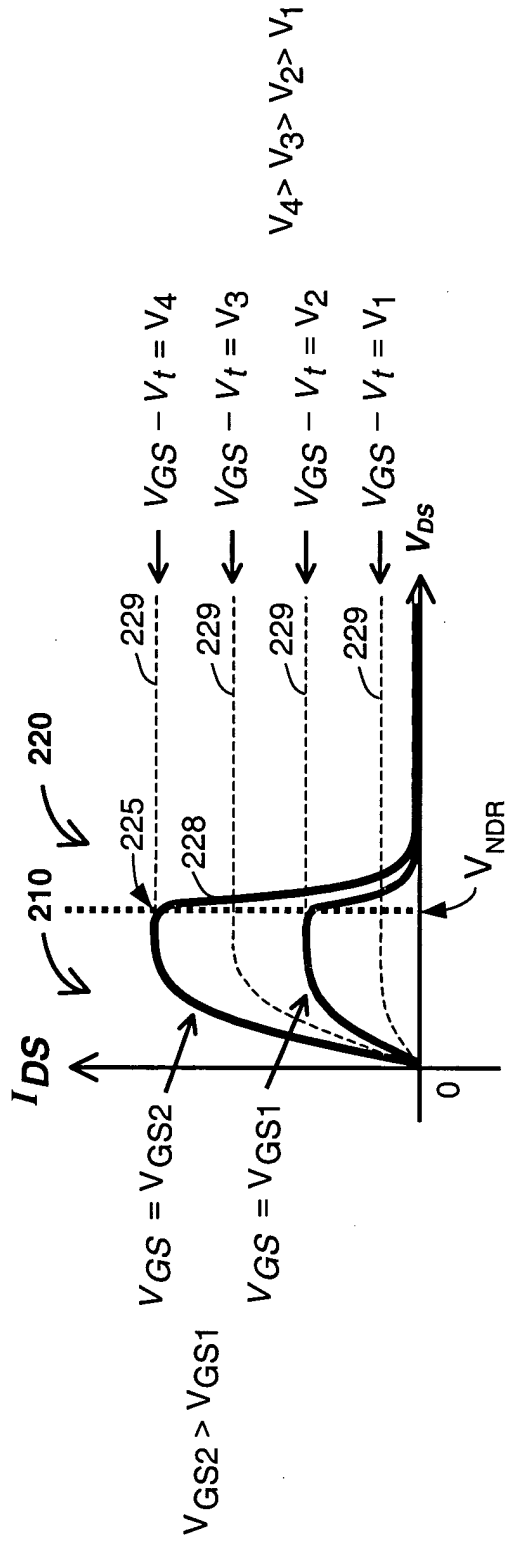


Fig. 3

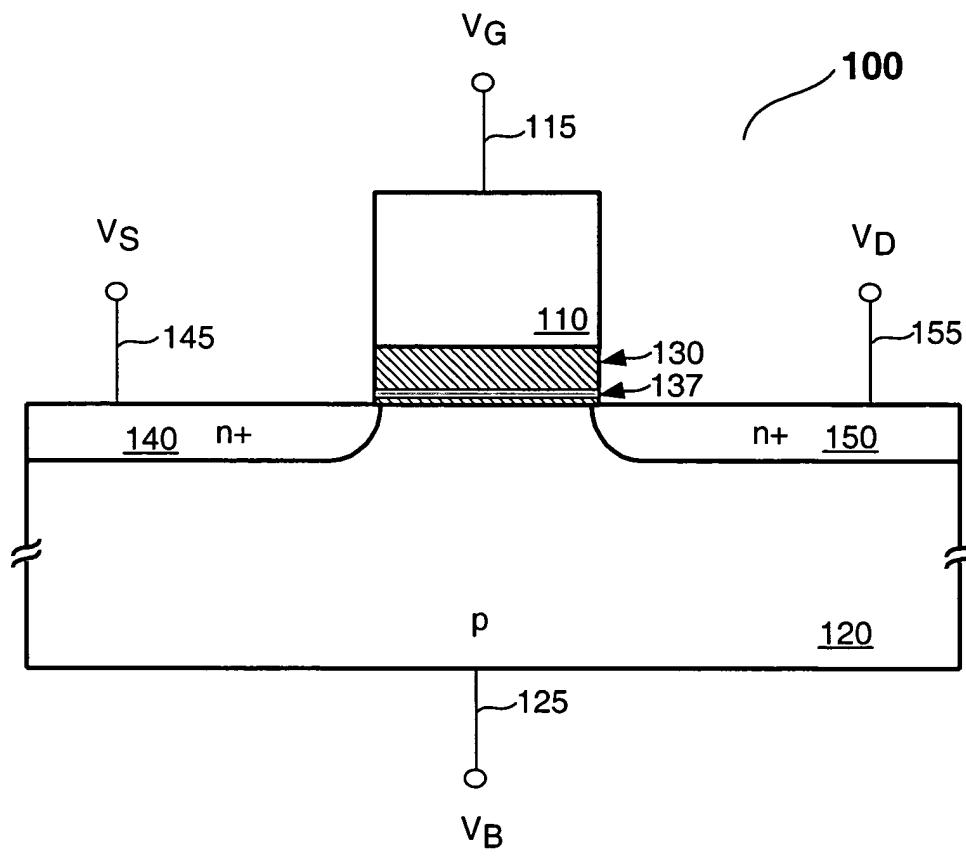


Fig. 4

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| Standard CMOS Starting Material |
| Standard CMOS Isolation Process |
| NDR Surface Doping Process Sequence |
| NDR Device Gate Insulator Formation |
| N-well Dopant Process Sequence (for PMOS) |
| P-well Dopant Process Sequence (For NMOS) |
| Logic Device Gate Oxidation |
| Gate Material Deposition and Patterning |
| NDR Drain Junction Engineering Sequence |
| Source/Drain Pattern and Process Sequence |
| Oxide Deposition |
| Contact Process Sequence |
| Metal Process Sequence |